

# Emium Lighting LED Light Engine Retrofit Instructions For SPI Balisk Fixture

## IMPORTANT SAFETY INSTRUCTIONS

**WARNING** – READ THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL THE LED LIGHT ENGINE RETROFIT ASSEMBLY INTO THE SPI BALISK FIXTURE. WORK MUST BE DONE BY QUALIFIED PERSONNEL.

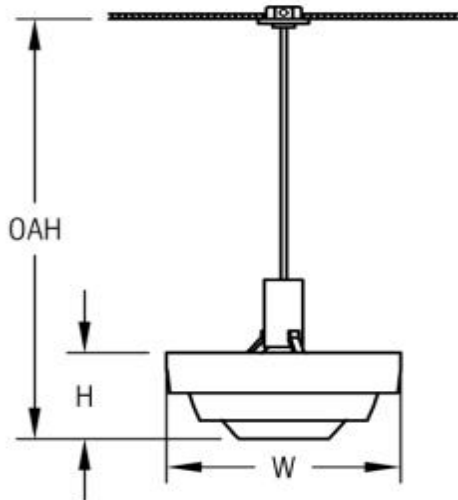
**WARNING** – BE CERTAIN THAT ALL ELECTRICAL POWER IS DISCONNECTED FROM THE BALLAST BOX AND FIXTURE BEFORE BEGINNING THE RETROFIT PROCEDURE.

**FAILURE TO FOLLOW THESE WARNINGS MAY RESULT  
IN DEATH, INJURY OR SIGNIFICANT PROPERTY  
DAMAGE.**

## **RETROFIT PROCEDURE**

1. Check to insure that all electrical power is disconnected from the ballast box. This should be done at the electrical panel.
2. Disconnect the all the wires in the ballast box and remove all the components located inside. Connect the line voltage wires (from the electrical panel) in the box to the existing wire pairs going to the fixture(s). Close the ballast box and move to the fixture.

3. Remove the wire cage cover from the top of the fixture if the fixture has this feature. Remove the 1000W metal halide bulb from its socket and set aside.



**Dimensions**

W: 24 inches (61 cm)

H: 10 inches (25.4 cm)

OAH: 84 inches (213.4 cm)

4. Disconnect all wiring connections in the unit with the exception of the ground wire. This is accomplished by unscrewing the wire nuts and disengaging the wires.
5. Now remove all the interior components (socket assembly) and the brackets from the fixture. Retain the screws for later use.
6. Carefully place the mounting plate (which has either 2 or 3 LED light engines and their respective drivers mounted on it) inside the fixture with the LEDs facing upward and the drivers on the bottom of the plate.
7. Connect the line side of the driver to the incoming power wires. This is done by twisting the black wires from the drivers to the black incoming wire and using a wire nut to firmly secure the connection. Follow the same procedure for the white wire.
8. Using the screws provided, screw the mounting plate in place so that it is firmly secured inside the fixture. Replace the wire cage cover (if one was removed) and insure that the fixture is still securely attached to the stem.
9. Energize the main electrical supply and check the luminaire for proper operation.
10. Properly dispose of the metal halide bulb, contents of the ballast box, and socket assembly and brackets from the original fixture.